



Attachment A

ICAO SOUTH AMERICAN REGIONAL OFFICE

MNEMONIC RECORD – MET 01

| RLA/06/901 – Third Meeting of GREPECAS MET Projects for the SAM Region (Lima, Peru, 17 to 20 June 2019) | |
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| Regional strategy for the implementation in the Meteorology area in the SAM Region | <ul style="list-style-type: none"> ✓ Up to December 2020: <ul style="list-style-type: none"> - Promote and support the alignment of the Quality Management Systems implemented in the Suppliers of the Aeronautical Meteorological Services to the 2015 version of the ISO 9001 Standard, and the certification, by a certifying entity, of the implanted systems. - Promote the implementation of OPMET messages in XML/GML format and its exchange them into the aforementioned format. - Promote the implementation of space weather services. ✓ Up to December 2021, carry out the exercises for volcanic eruptions. ✓ Up to December 2022: <ul style="list-style-type: none"> - Support and promote the participation of aeronautical meteorological services in multilateral work groups, in the States, to establish collaborative decision making (CDM and A-CDM) in the provision of air navigation services and of aerodromes. - Support and promote the integration of OPMET messages with the messages of aeronautical information services, to converge with the information management in a SWIM environment. ✓ Continuous tasks: Follow up on: <ul style="list-style-type: none"> a) Maintenance of QMS/MET certifications. b) Implementation of improvement opportunities in the efficiency in the exchange of OPMET messages. c) Correct use of OPMET message formats. d) Implementation of MET equipment (AWOS, RADAR, etc). e) Follow up on the correct implementation of aerodrome and SIGMET alert messages. f) Follow up on the implementation of the Space Meteorology services. |
| ICAO Strategic Objectives | <ul style="list-style-type: none"> - Safety - Capacity and Efficiency - Environmental Protection |

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| <p>Objective of the Meeting</p> | <p>Evaluate and monitor the activities developed under the projects of the MET Program Projects and align them with the ASBU.</p> |
| <p>Activities carried out by the SAM Region on MET Projects</p> | <ul style="list-style-type: none"> ✓ Lima, Perú, 2015, Primera Reunión de Proyectos MET, solo para la Región SAM. ✓ Taller sobre SIGMET y QMS en Uruguay, 2015 ✓ 2016: Talleres de SIGMET en Colombia, Suriname y Guyana sobre SIGMET y mensajes de alertas para aeródromos ✓ 2016, Taller de SIGMET pronosticados en Lima, Perú ✓ 2016, Taller sobre Evaluación y Gestión de Riegos de los Servicios Meteorológicos Aeronáuticos (Adecuación de los QMS/MET a la versión 2015) ✓ Lima, Perú, 2017, Segunda Reunión de Proyectos MET, CAR/SAM ✓ Lima, Perú, 2017, Curso sobre Actualización de Auditores para QMS/MET (Actualización a la ISO 9001:2015) ✓ Lima, Perú, 2017, Seminario sobre SWIM y Mensajes XML ✓ Panamá, Perú 2018, Seminario sobre Meteorología Espacial e IWXXM |
| <p>Current situation of the SAM Region regarding the development of the implantations related to the MET area</p> | <ul style="list-style-type: none"> - Implementation and certification of QMS/MET, version 2015 in 5 States. - There are four States that have implemented and certified with the 2008 version, but have not yet re-certified with 2015. - There are four States that have implemented with the 2008 version, have not certified, and need to align to 2015. 1 State has not implemented with the 2008 version. <ul style="list-style-type: none"> a) <u>Efficiency of OPMET messages</u> <ul style="list-style-type: none"> - El The OPMET Data Bank of Brasilia carries out 4 annual controls. They are analyzed to verify the efficiency. - The correct use of the formats is evaluated randomly and through industry claims. After the 2016 workshops, the industry's claim has dropped considerably. During 2018, we have not yet received complaints from any operator regarding the absence of MET information or the incorrect use of the formats. b) <u>Implementation of XML/GML messages</u> No State has yet implemented it. Brazil has the capacity to distribute and receive it internally. The OPMET Data Bank of Brasilia is able to receive OPMET messages in XML/GML format. c) <u>Participation of MET services in a CDM environment:</u> Implemented in three States. d) <u>Exercises on volcanic ash:</u> every year, for 36 hours. |
| <p>Nature of the event</p> | <p>The event is a meeting where the progress of the MET Projects is analyzed, and if necessary, foresee updates or culminations of the same. The results of this meeting are raised to the CRPP or to the GREPECAS meeting. The meeting is held every two years.</p> |

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| Competences that the event will generate | Take note of opportunities for improvements in the provision of aeronautical meteorological services in all aspects. |
| Profile of the participants | <ul style="list-style-type: none">✓ MET personnel in charge of decision making at a managerial level.✓ MET personnel in charge of technical decision making.✓ ICT staff that provides support to the aeronautical meteorological services.✓ MET staff in charge.✓ |
| Next steps in the development of the strategy | <p>In accordance with the terms of the regional strategy:</p> <ul style="list-style-type: none">✓ Continue to monitor the implementation and certification of the QMS/MET✓ Continue to monitor the implementation of the OPMET message in XML / GML format✓ Promote the integration of MET data with AIS data✓ Continue to monitor the efficiency of the OPMET exchange✓ Promote the participation of MET services in the CDM and A-CDM environments |
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